

5-10

UNITED STATES GOVERNMENT

# Memorandum

TO : DIRECTOR, FBI  
(Attn: FBI Laboratory)

FROM : SAC, CLEVELAND (44-703)

SUBJECT: KENFOUR

DATE: 5/9/70

PC-C6379

JH  
GT

KV  
NC  
KS  
TN  
MK

On May 4, 1970, between the hours of 12:00 PM and 2:00 PM, a student rally, resulting in violence, took place on the Kent State University campus, Kent, Ohio. The following items are being submitted to the FBI Laboratory for examination or retention for possible future examination:

1. Room key, found on hill in front of Taylor Hall
2. Polaroid negative found on hill in front of Taylor Hall
3. Shotshell wad found near sidewalk
4. Green plastic fragment
5. Color photograph of deceased victims, received from Portage County SO.
6. Bullet recovered in Apartment 5, 428 Silver Oaks, Kent, Ohio.
7. Bullet recovered southwest corner of parking lot near Taylor Hall
8. Bullet fragment recovered from door of Prentice Hall
9. Bullet fragment from left foot of [redacted]
10. Bullet fragment from left chest of [redacted]
11. .38 Special, Smith and Weston revolver, Model 36, SN 253828, recovered from TERRY NORMAN with 5 cartridges.
12. Toy cap pistol from parking lot by Prentice Hall

b6 - 3  
b7C - 3

REC-35

44-11513-83

5 MAY 13 1970

DP/gfs  
(5)



5010-108-01

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

Kuzma-110

OPEN  
SIXTY

W

CV 44-703

13. Eleven leaflets from parking lot by Prentice Hall
14. Rocks from hill in front of Taylor Hall, 5/6/70
15. Rocks from practice field, 5/6/70
16. Rock from National Guard display, received 5/8/70
17. Pieces of wood from National Guard display
  - (a) pointed 2" x 2" stake, 22 in. long
  - (b) tree limb, 2½" in diameter, 20 in. long
18. Magnetic tape of NBC newscast of 5/4/70 on Station WKNT b6 - 7  
KSU, obtained from [redacted] b7C - 7
19. Paraffin casts of victims:
  - (a) left hand, ALLISON KRAUSE
  - (b) right hand, ALLISON KRAUSE
  - (c) left hand, JEFFREY MILLER
  - (d) right hand, JEFFREY MILLER
  - (e) left hand, WILLIAM SCHROEDER
  - (f) right hand, WILLIAM SCHROEDER
  - (g) left hand, SANDRA SCHEUER
  - (h) right hand, SANDRA SCHEUER

RECOVERED FROM NATIONAL GUARD DISPLAY

20. Sign reading, "Bring all the Troops Home Now!"
21. Sign reading, "Murder will the Court Martial Hang You"
22. Sign reading, "Rally Noon Commons Strike"
23. Press Card of [redacted] with Weatherman literature b6 - 7  
taken from him. b7C - 7
24. NEW MOBE literature and negatives of demonstration found in dormitory area of action
25. Bolo consisting of 7-UP and Apple Wine bottle tied with cotton rope.
26. <sup>a</sup>Four ~~Five~~ cartridges from ROTC Building  
*b. Six      "      "      "*

CV 44-703

27. Quilt with first aid sign painted on underneath side
28. Mask from telephone pole
29. Two pieces of cream-colored brick
30. Piece of concrete
31. Pipe, 3" long by 1 7/8" in diameter
32. Stone in Vaseline jar
33. Fire cracker with blue spiral
34. Fire cracker, red, white and blue
35. Sign reading, "MURDERING PIGS BURN IN HELL"
36. Sign reading, "FUCK MURDERS" from Olson Hall, Room 421
  
37. Fire crackers found 5/9/70 at northeast corner of Taylor Hall
  - (a) (b) (c) 3 red and white fire crackers
38. Shotshell wad from hill near Taylor Hall, 5/8/70
39. Green plastic fragments from hill in front of Taylor Hall, 5/8/70
40. Cartridge cases recovered near Taylor Hall (received from [redacted] on 5/7/70)  
  
(a) 4 .30-06 Springfield cartridge cases  
(b) 1 .45 auto cartridge case
41. Fragment from right hip of [redacted]
42. Paper disc found on hill
43. Metal fragments from sewing room wall, Prentice Hall
44. Shotshell wad found on hill

b6 - 8  
b7C - 3

b6 - 3  
b7C - 3

45. Three Polaroid negative found on hill in front of Taylor Hall

46. Bullet recovered from [redacted] car (Parking b6 - 3  
lot) b7C - 3

47. Clothing of ALLISON KRAUSE:  
(a) Right shoe containing pieces of towel, and \$5 bill  
(b) Left shoe  
(c) Underpants  
(d) Shirt  
(e)(f) Pair of socks  
(g) Army-type jacket with debris in pocket  
(h) Wrangler jeans

48. Clothing of SANDRA SCHEUER:  
(a) panties  
(b) bra  
(c) blouse  
(d) trousers  
(e) belt  
(f) right shoe  
(g) left shoe

49. Army jacket found in mens room, Student Union Building

50. Clothing and miscellaneous items of WILLIAM SCHROEDER:  
(a) rag  
(b) Army-type jacket  
(c) trousers  
(d) belt  
(e) right cowboy boot  
(f) left cowboy boot  
(g) (H) pair of socks  
(i) Necklace  
(j) Shirt

51. Clothing of JEFFREY MILLER:  
(a) Right tennis shoe  
(b) Left tennis shoe  
(c) (d) pair of socks  
(e) Pants with belt  
(f) Shorts  
(g) Cowboy shirt

52. Clothing of [redacted]:  
(a) coat b6 - 3  
(b) Blue shirt b7C - 3  
(c) Pants  
(d) Right moccasin

- (e) Left moccasin
- (f) shorts

53. Clothing of [REDACTED] and miscellaneous items obtained from [REDACTED] on 5/7/70.

b6 - 3, 8  
b7C - 3, 8

- (a) Maroon jacket
- (b) Maroon sweater
- (c) Blue shirt
- (d) Shorts
- (e) T-shirt
- (f) White dress shirt
- (g) Blue sweatshirt
- (h) Leather jacket with red arm band
- (i) "Sand Comber" jacket
- (j) Corduroy pants
- (k) Sock
- (l) Blue bandanna
- (m) Red bandanna
- (n) Piece of towel with blue border
- (o) Piece of white towel
- (p) Empty Instamatic 104 camera
- (q) Pair of shoes

54. Clothing of [REDACTED]

b6 - 3  
b7C - 3

- (a) Green jacket
- (b) Green shirt
- (c) Blue T-shirt
- (d) Blue jeans with belt
- (e) Red bandanna
- (f) Blue bandanna
- (g) Shorts
- (h) Pair of green socks
- (i) Right glove
- (j) Left glove
- (k) Right shoe
- (l) Left shoe

55. Ammunition obtained from Ohio National Guard by SA [REDACTED] on 5/8/70.

b6 - 1  
b7C - 1

- (a) 50 .45 auto cartridges
- (b) 96 cal .30 Ball M2 cartridges in clips
- (c) 10 12-gauge Western Super-X Shotshells, 00 Buck
- (d) 10 12-gauge Western Super-X Shotshells, 7½ Shot

56. Items obtained from [REDACTED] Ohio State Bureau of Criminal Investigation and Identification,

b6 - 4  
b7C - 4

by SA DAVID J. COOK on 5/5/70

- (a) Bullet fragment from 6th floor womens lounge, Lebrick Hall.
- (b) Portion of tooth found near Taylor Hall parking lot gates
- (c) Fragments from sculpture in front of Taylor Hall
- (d) Copper particles from groove in ground south of Taylor Hall
- (e) Cartridge, .30 cal.
- (f) Cartridge case .45 Auto. cal. from hill between Johnson and Taylor Halls.
- (g) Metal fragment from parking lot in front of Prentice Hall

57. Shotshell wad found by sidewalk, southeast of Taylor Hall  
by SA [redacted] on 5/6/70

b6 - 1  
b7C - 1

58. Rocks and debris from scene collected 5/9/70

59. Weapons from Ohio National Guard:

.30 Caliber M1 Rifles

Serial Number

3469155

685037

5693474

6084769

5194133

1424042

188918

5014205

5187106

1699043

3351063

29528

40076

3394171

2239522

2646119

5085275

3823342

3013387

2432020

124049

5694017

.45 Auto U.S. Pistol, M1911A1

Serial Number

2112671  
936488

60. Rocks collected by Kent State University Police,  
received 5/9/70

EXAMINATIONS REQUESTED:

Determine caliber, manufacturer and other pertinent information concerning submitted bullets, bullet fragments, cartridge cases and shotshell wads, comparing these items with submitted weapons and ammunition recovered from Ohio National Guard.

Determine whether S&W revolver, Item 11, was fired since last cleaned. Obtain tests from this weapon for possible future comparison.

Process Polaroid negatives, Items 2 and 45, to determine subject matter.

Determine identity of plastic fragments, Items 4 and 39.

Copy photographs, Item 5, furnishing Cleveland 20 copies, and return originals. (Expedite)

Examine clothing, particularly pockets, for stone, brick and other mineral particles, comparing them with submitted rocks, stones and other pertinent materials.

Reproduce magnetic tape, Item 18, noting significant differences in sound spacing of gun fire.

Examine paraffin casts, Item 19, for foreign debris, such as rock and/or gun powder.

Examine fire crackers, Items 33 and 37, to determine if fired.

CY 44-703

Examine clothing of victims for bullet entrance holes, determining caliber of projectiles, if possible.

The ammunition in Item 55 is submitted for comparison and may be used for testing purposes and remainder retained in Laboratory.

Examine Item 56(b) to determine whether this is a tooth fragment.

Items submitted for Laboratory examination should be retained for possible future comparison. Negatives should be printed 8" x 10", if possible, and photographs returned to Cleveland as soon as possible.

RECORDED 5/12/7

LJW

FEDERAL BUREAU OF INVESTIGATION  
UNITED STATES DEPARTMENT OF JUSTICE

Laboratory Work Sheet

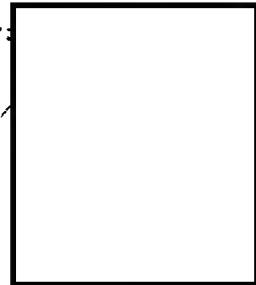
Re: KENFOUR

File #  
Lab. # PC-C8379 JH GH KL  
LK NC KS IZ MK  
Engineering  
Document

SAC, Cleveland Let. 5/9  
(44-703)

Examination requested by:

Firearms (Guns & Ammun.) Date received: 5/9  
Instrumental (Spect.)  
(Neu. Act.) (Chem. Sep.) Examination by:  
Microscopic Analyses (Min.)  
(Tox.)  
Chemical Analyses (Nar.)  
Radio Engineering b6 - 1  
Document b7C - 1



Evidence personally delivered by SA [redacted] on 5/9/70

Specimens submitted for examination

- Q6 Polaroid negative found on hill in front of Taylor Hall (2)
- Q7 Shotshell wad found near sidewalk (3)
- Q8 Green plastic fragment (4)
- Q9 Bullet recovered in Apartment 5, 428 Silver Oaks, Kent, Ohio. (6)
- Q10 Bullet recovered southwest corner of parking lot near Taylor Hall (7)
- Q11 Bullet fragment recovered from door of Prentice Hall (8)
- Q12 Bullet fragment from left foot of [redacted] (9) b6 - 3
- Q13 Bullet fragment from left chest of [redacted] (10) b7C - 3
- Q14 Rocks from hill in front of Taylor Hall, 5/6/70 (14) b7C - 3
- Q15 Rocks from practice field, 5/6/70 (15)
- Q16 Rock from National Guard display, received 5/8/70 (16)
- Q17 - Q18 Pieces of wood from National Guard display (17)
- Q19 Magnetic tape of NBC newscast of 5/4/70, on Station KSU,  
obtained from [redacted] WKNT (18) b6 - 7
- Q20 Paraffin cast of left hand, ALLISON KRAUSE (19a) b7C - 7
- Q21 Paraffin cast of right hand, ALLISON KRAUSE (19b)
- Q22 Paraffin cast of left hand, JEFFREY MILLER (19c)
- Q23 Paraffin cast of right hand, JEFFREY MILLER (19d)

b6 - 3,8  
b7C - 3,8

b6 - 3  
b7C - 3

Q24 Paraffin cast of left hand, WILLIAM SCHROEDER (19e)  
Q25 Paraffin cast of right hand, WILLIAM SCHROEDER (19f)  
Q26 Paraffin cast of left hand, SANDRA SCHEUER (19g)  
Q27 Paraffin cast of right hand, SANDRA SCHEUER (19h)  
Q28 - Q29 Two pieces of cream-colored brick (29)  
Q30 Piece of concrete (30)  
Q31 Pipe, 3" long by 1 7/8" in diameter (31)  
Q32 Stone in vaseline jar (32)  
Q33 Firecracker with blue spiral (33)  
Q34 Firecracker, red, white and blue (34)  
Q35 - Q37 Firecrackers found 5/9/70, at northeast corner of Taylor Hall (37)  
Q38 Shotshell wad from hill near Taylor Hall, 5/8/70 (38)  
Q39 Green plastic fragments from hill in front of Taylor Hall, 5/8/70 (39)  
Q40 - Q43 Four .30-06 Springfield cartridge cases recovered near Taylor Hall (received from [redacted] on 5/7/70) (40a)  
Q44 One .45 Auto cartridge case recovered near Taylor Hall (received from [redacted] on 5/7/70) (40b)  
Q45 Fragment from right hip of [redacted] (41)  
Q46 Paper disc found on hill (42)  
Q47 Metal fragments from sewing room wall, Prentice Hall (43)  
Q48 Shotshell wad found on hill (44)  
Q49 - Q51 Three Polaroid negatives found on hill in front of Taylor Hall (45)  
Q52 Bullet recovered from [redacted] car (Parking Lot) (46)

CLOTHING OF ALLISON KRAUSE:

Q53 Right shoe containing pieces of towel and \$5 bill (47a)  
Q54 Left shoe (47b)  
Q55 Underpants (47c)  
Q56 Shirt (47d)  
Q57 - Q58 Pair of socks (47e, f)  
Q59 Army-type jacket with debris in pocket (47g)  
Q59a Wrangler jeans (47h)

CLOTHING OF SANDRA SCHEUER:

Q60 Panties (48a)  
Q61 Bra (48b)  
Q62 Blouse (48c)  
Q63 Trousers (48d)  
Q64 Belt (48e)  
Q65 Right shoe (48f)  
Q66 Left shoe (48g)

Q67 Army jacket found in men's room, Student Union Building (49)

CLOTHING AND MISCELLANEOUS ITEMS OF WILLIAM SCHROEDER:

- Q68 Rag (50a)
- Q69 Army-type jacket (50b)
- Q70 Trousers (50c)
- Q71 Belt (50d)
- Q72 Right cowboy boot (50e)
- Q73 Left cowboy boot (50f)
- Q74 Pair of socks (50g,h)
- Q75 Necklace (50i)

CLOTHING OF JEFFREY MILLER:

- Q76 Right tennis shoe (51a)
- Q77 Left tennis shoe (51b)
- Q78-Q79 Pair of socks (51c,d)
- Q80 Pants with belt (51e)
- Q81 Shorts (51f)
- Q82 Cowboy shirt (51g)

CLOTHING OF [redacted]

b6 - 3  
b7C - 3

- Q83 Coat (52a)
- Q84 Blue shirt (52b)
- Q85 Pants (52c)
- Q86 Right moccasin (52d)
- Q87 Left moccasin (52e)
- Q88 Shorts (52f)

CLOTHING OF [redacted] AND MISCELLANEOUS ITEMS OBTAINED FROM  
[redacted] ON 5/7/70:

b6 - 3, 8-  
b7C - 3, 8

- Q89 Maroon jacket (53a)
- Q90 Maroon sweater (53b)
- Q91 Blue shirt (53c)
- Q92 Shorts (53d)
- Q93 T shirt (53e)
- Q94 White dress shirt (53f)
- Q95 Blue sweatshirt (53g)
- Q96 Leather jacket with red arm band (53h)
- Q97 "Sand Comber" jacket (53i)
- Q98 Corduroy pants (53j)
- Q99 Sock (53k)
- Q100 Blue bandanna (53l)
- Q101 Red bandanna (53m)
- Q102 Piece of towel with blue border (53n)
- Q103 Piece of white towel (53o)
- Q103a - Q103b Pair of shoes (53q)

CLOTHING OF

b6 - 3  
b7C - 3

Q104 Green jacket (54a)  
Q105 Green shirt (54b)  
Q106 Blue T shirt (54c)  
Q107 Blue jeans with belt (54d)  
Q108 Red bandanna (54e)  
Q109 Blue bandanna (54f)  
Q110 Shorts (54g)  
Q111 Pair of green socks (54h)  
Q112 Right glove (54i)  
Q113 Left glove (54j)  
Q114 Right shoe (54k)  
Q115 Left shoe (54l)

b6 - 4  
b7C - 4

ITEMS OBTAINED FROM [REDACTED], OHIO STATE BUREAU OF CRIMINAL INVESTIGATION AND IDENTIFICATION, BY SA DAVID J. COOK ON 5/5/70

Q116 Bullet fragment from sixth floor women's lounge,  
Lebrick Hall (56a)  
Q117 Portion of tooth found near Taylor Hall parking lot  
gates (56b)  
Q118 Fragments from sculpture in front of Taylor Hall (56c)  
Q119 Copper particles from groove in ground south of  
Taylor Hall (56d)  
Q120 Cartridge case, .45 Auto caliber from hill between  
Johnson and Taylor Halls (56f)  
Q121 Metal fragment from parking lot in front of Prentice  
Hall (56g)

b6 - 1  
b7C - 1

Q122 Shotshell wad found by sidewalk, southeast of Taylor Hall by  
SA [REDACTED] on 5/6/70 (57)  
Q123 Rocks and debris from scene collected 5/9/70 (58)  
Q124 Rocks collected by Kent State University Police, received  
5/9/70 (60)

K7 .38 Special Smith and Wesson revolver, Model 36, Serial  
Number 253828, recovered from TERRY NORMAN with five  
cartridges (11)  
K8 - K11 Four cartridges from ROTC Building (26)  
K12 Six cartridges from ROTC Building (26)  
K13 Fifty .45 Auto cartridges obtained from Ohio National Guard  
by SA [REDACTED] on 5/8/70 (55a)  
K14 Ninety-six caliber .30, Ball M2, cartridges in clips obtained  
from Ohio National Guard by SA [REDACTED] on  
5/8/70 (55b)

b6 - 1  
b7C - 1

\*obtained from Ohio National Guard by SA [redacted]

on 5/8/70

b6 - 1

b7C - 1

K15 Ten 12-gauge Western Super-X Shotshells, 00 Buck\* (55c)

K16 Ten 12-gauge Western Super-X Shotshells, 7½ Shot\* (55d)

K17 Cartridge, .30 caliber (56e)

WEAPONS FROM OHIO NATIONAL GUARD:

K18 .30 caliber U.S. Rifle, M1, Serial Number 3469155 (59)  
K19 .30 caliber U.S. Rifle, M1, Serial Number 685037 (59)  
K20 .30 caliber U.S. Rifle, M1, Serial Number 5693474 (59)  
K21 .30 caliber U.S. Rifle, M1, Serial Number 6084769 (59)  
K22 .30 caliber U.S. Rifle, M1, Serial Number 5194133 (59)  
K23 .30 caliber U.S. Rifle, M1, Serial Number 1424042 (59)  
K24 .30 caliber U.S. Rifle, M1, Serial Number 188918 (59)  
K25 .30 caliber U.S. Rifle, M1, Serial Number 5014205 (59)  
K26 .30 caliber U.S. Rifle, M1, Serial Number 5187106 (59)  
K27 .30 caliber U.S. Rifle, M1, Serial Number 1699043 (59)  
K28 .30 caliber U.S. Rifle, M1, Serial Number 3351063 (59)  
K29 .30 caliber U.S. Rifle, M1, Serial Number 29528 (59)  
K30 .30 caliber U.S. Rifle, M1, Serial Number 40076 (59)  
K31 .30 caliber U.S. Rifle, M1, Serial Number 3364171 (59)  
K32 .30 caliber U.S. Rifle, M1, Serial Number 2239522 (59)  
K33 .30 caliber U.S. Rifle, M1, Serial Number 2646119 (59)  
K34 .30 caliber U.S. Rifle, M1, Serial Number 5085275 (59)  
K35 .30 caliber U.S. Rifle, M1, Serial Number 3823342 (59)  
K36 .30 caliber U.S. Rifle, M1, Serial Number 3013387 (59)  
K37 .30 caliber U.S. Rifle, M1, Serial Number 2432020 (59)  
K38 .30 caliber U.S. Rifle, M1, Serial Number 124049 (59)  
K39 .30 caliber U.S. Rifle, M1, Serial Number 5694017 (59)  
K40 .45 Auto U.S. Pistol, M1911A1, Serial Number 2112671 (59)  
K41 .45 Auto U.S. Pistol, M1911A1, Serial Number 936488 (59)

Also Submitted:

Room key, found on hill in front of Taylor Hall (1)

Color photograph of deceased victims, received from Portage County Sheriff's Office (5)

Toy cap pistol from parking lot by Prentice Hall (12)

Eleven leaflets from parking lot by Prentice Hall (13)

b6 - 7

Sign reading "Bring all the Troops Home Now" (20)

b7C - 7

Sign reading "Murder will the Court Martial Hang You" (21)

Sign reading "Rally Noon Commons Strike" (22)

Press Card of [redacted] with Weatherman literature taken from him (23)

NEW MOBE literature and negatives of demonstration found in dormitory area of action (24)

Bolo consisting of 7-UP and Apple Wine bottle tied with cotton rope (25)

Quilt with first aid sign painted on underneath side (27)

Mask from telephone pole (28)

Sign reading "Murdering Pigs Burn in Hell" (35)

Sign reading "Fuck Murders" from Olson Hall, Room 421 (36)

Page6  
PC-C6379 JH

Kuzma-123

Notes

Diction for  (KL)

b6 -1  
b7C -1

### Spectrographic Examinations

No significant faint smears were found on Specimens #Q14 through Q18, Q28, Q29, Q30, Q32, Q123 and Q124.

RECORDED 5/12/7  
LJWFEDERAL BUREAU OF INVESTIGATION  
UNITED STATES DEPARTMENT OF JUSTICELaboratory Work Sheet

Re: KENFOUR

44-45339

File #  
Lab. # PC-C6379 JK GH KL  
LK NC KS IZ MK FA

Engineering  
Document

D700511001ET

SAC, Cleveland Let. 5/9  
(44-703)

Examination requested by:

Examination requested:

Result of Examination:

Explosives-Residue

Firearms (Guns & Ammun.) Date received: 5/9  
 Instrumental (Spect.)  
 (Neu. Act.) (Chem. Sep. Examination by)  
 Microscopic Analyses (Min.)  
 (Tox.)  
 Chemical Analyses (Nar.)  
 Radio Engineering Document

b6 - 1  
b7C - 1

Evidence personally delivered by SA [redacted]

on 5/9/70

Specimens submitted for examination

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 Q10 Bullet recovered southwest corner of parking lot near Taylor Hall (7)  
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 Q13 Bullet fragment from left chest of [redacted] (10) b7C - 3  
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 Q15 Rocks from practice field, 5/6/70 (15)  
 Q16 Rock from National Guard display, received 5/8/70 (16)  
 Q17 - Q18 Pieces of wood from National Guard display (17)  
 Q19 Magnetic tape of NBC newscast of 5/4/70, on Station KSU,  
     obtained from [redacted] WKNT (18) b6 - 7  
 Q20 Paraffin cast of left hand, ALLISON KRAUSE (19a) b7C - 7  
 Q21 Paraffin cast of right hand, ALLISON KRAUSE (19b)  
 Q22 Paraffin cast of left hand, JEFFREY MILLER (19c)  
 Q23 Paraffin cast of right hand, JEFFREY MILLER (19d)

b6 - 3,8  
b7C - 3,8

Q24 Paraffin cast of left hand, WILLIAM SCHROEDER (18e)  
Q25 Paraffin cast of right hand, WILLIAM SCHROEDER (18f)  
Q26 Paraffin cast of left hand, SANDRA SCHEUER (19g)  
Q27 Paraffin cast of right hand, SANDRA SCHEUER (19h)  
Q28 - Q29 Two pieces of cream-colored brick (29)  
Q30 Piece of concrete (30)  
Q31 Pipe, 3" long by 1 7/8" in diameter (31)  
Q32 Stone in vaseline jar (32)  
Q33 Firecracker with blue spiral (33)  
Q34 Firecracker, red, white and blue (34)  
Q35 - Q37 Firecrackers found 5/9/70, at northeast corner of Taylor Hall (37)  
Q38 Shotshell wad from hill near Taylor Hall, 5/8/70 (38)  
Q39 Green plastic fragments from hill in front of Taylor Hall, 5/8/70 (39)  
Q40 - Q43 Four .30-06 Springfield cartridge cases recovered near Taylor Hall (received from [REDACTED] on 5/7/70) (40a)  
Q44 One .45 Auto cartridge case recovered near Taylor Hall (received from [REDACTED] ON 5/7/70) (40b)  
Q45 Fragment from right hip of [REDACTED] (41)  
Q46 Paper disc found on hill (42)  
Q47 Metal fragments from sewing room wall, Prentice Hall (43)  
Q48 Shotshell wad found on hill (44)  
Q49 - Q51 Three Polaroid negatives found on hill in front of Taylor Hall (45)  
Q52 Bullet recovered from [REDACTED] car (Parking Lot) (46)

CLOTHING OF ALLISON KRAUSE:

Q53 Right shoe containing pieces of towel and \$5 bill (47)  
Q54 Left shoe (47b)  
Q55 Underpants (47c)  
Q56 Shirt (47d)  
Q57 - Q58 Pair of socks (47e, f)  
Q59 Army-type jacket with debris in pocket (47g)  
Q59a Wrangler jeans (47h)

CLOTHING OF SANDRA SCHEUER:

Q60 Panties (48a)  
Q61 Bra (48b)  
Q62 Blouse (48c)  
Q63 Trousers (48d)  
Q64 Belt (48e)  
Q65 Right shoe (48f)  
Q66 Left shoe (48g)

Q67 Army jacket found in men's room, Stud nt Union

CLOTHING AND MISCELLANEOUS ITEMS OF WILLIAM SCHROEDER:

Q68 Rag (50a)  
Q69 Army-type jacket (50b)  
Q70 Trousers (50c)  
Q71 Belt (50d)  
Q72 Right cowboy boot (50e)  
Q73 Left cowboy boot (50f)  
Q74 Pair of socks (50g,h)  
Q75 Necklace (50i)  
Q75a Shirt (50j)

CLOTHING OF JEFFREY MILLER:

Q76 Right tennis shoe (51a)  
Q77 Left tennis shoe (51b)  
Q78-Q79 Pair of socks (51c,d)  
Q80 Pants with belt (51e)  
Q81 Shorts (51f)  
Q82 Cowboy shirt (51g)

b6 - 3  
b7C - 3

CLOTHING OF [REDACTED]

Q83 Coat (52a)  
Q84 Blue shirt (52b)  
Q85 Pants (52c)  
Q86 Right moccasin (52d)  
Q87 Left moccasin (52e)  
Q88 Shorts (52f)

CLOTHING OF [REDACTED] AND MISCELLANEOUS ITEMS OBTAINED FROM [REDACTED]  
DN 5/7/70:

b6 - 3, 8  
b7C - 3, 8

Q89 Maroon jacket (53a)  
Q90 Maroon sweater (53b)  
Q91 Blue shirt (53c)  
Q92 Shorts (53d)  
Q93 T shirt (53e)  
Q94 White dress shirt (53f)  
Q95 Blue sweatshirt (53g)  
Q96 Leather jacket with red arm band (53h)  
Q97 "Sand Comber" jacket (53i)  
Q98 Corduroy pants (53j)  
Q99 Sock (53k)  
Q100 Blue bandanna (53l)  
Q101 Red bandanna (53m)  
Q102 Piece of towel with blue border (53n)  
Q103 Piece of white towel (53o)  
Q103a - Q103b Pair of shoes (53q)

CLOTHING OF [REDACTED]

b6 - 3  
b7C - 3

- Q104 Green jacket (54a)
- Q105 Green shirt (54b)
- Q106 Blue T shirt (54c)
- Q107 Blue jeans with belt (54d)
- Q108 Red bandanna (54e)
- Q109 Blue bandanna (54f)
- Q110 Shorts (54g)
- Q111 Pair of green socks (54h)
- Q112 Right glove (54i)
- Q113 Left glove (54j)
- Q114 Right shoe (54k)
- Q115 Left shoe (54l)

b6 - 4  
b7C - 4

ITEMS OBTAINED FROM [REDACTED] OHIO STATE BUREAU OF CRIMINAL INVESTIGATION AND IDENTIFICATION, BY SA DAVID J. COOK ON 5/5/70

- Q116 Bullet fragment from sixth floor women's lounge, Lebrick Hall (56a)
- Q117 Portion of tooth found near Taylor Hall parking lot gates (56b)
- Q118 Fragments from sculpture in front of Taylor Hall (56c)
- Q119 Copper particles from groove in ground south of Taylor Hall (56d)
- Q120 Cartridge case, .45 Auto caliber from hill between Johnson and Taylor Halls (56f)
- Q121 Metal fragment from parking lot in front of Prentice Hall (56g)

b6 - 1  
b7C - 1

- Q122 Shotshell wad found by sidewalk, southeast of Taylor Hall by SA [REDACTED] on 5/6/70 (57)
- Q123 Rocks and debris from scene collected 5/9/70 (58)
- Q124 Rocks collected by Kent State University Police, received 5/9/70 (60)

K7 ✓ .38 Special Smith and Wesson revolver, Model 36, Serial Number 253828, recovered from TERRY NORMAN with five cartridges (11)

K8 - K11 Four cartridges from ROTC Building (26)

K12 Six cartridges from ROTC Building (26)

K13 Fifty .45 Auto cartridges obtained from Ohio National Guard by SA [REDACTED] on 5/8/70 (55a)

K14 Ninety-six caliber .30, Ball M2, cartridges in clips obtained from Ohio National Guard by SA [REDACTED] on 5/8/70 (55b)

on 5/8/70

K15 Ten 12-gauge Western Super-X Shotshells, 00 Buck\* (55c) b6 - 1  
K16 Ten 12-gauge Western Super-X Shotshells, 7½ Shot\* (55d) b7C - 1  
K17 Cartridge, .30 caliber (56e)

WEAPONS FROM OHIO NATIONAL GUARD:

K18 .30 caliber U.S. Rifle, M1, Serial Number 3469155 (59)  
K19 .30 caliber U.S. Rifle, M1, Serial Number 685037 (59)  
K20 .30 caliber U.S. Rifle, M1, Serial Number 5893474 (59)  
K21 .30 caliber U.S. Rifle, M1, Serial Number 6034769 (59)  
K22 .30 caliber U.S. Rifle, M1, Serial Number 5194133 (59)  
K23 .30 caliber U.S. Rifle, M1, Serial Number 1424042 (59)  
K24 .30 caliber U.S. Rifle, M1, Serial Number 188918 (59)  
K25 .30 caliber U.S. Rifle, M1, Serial Number 5014205 (59)  
K26 .30 caliber U.S. Rifle, M1, Serial Number 5187106 (59)  
K27 .30 caliber U.S. Rifle, M1, Serial Number 1699043 (59)  
K28 .30 caliber U.S. Rifle, M1, Serial Number 3351063 (59)  
K29 .30 caliber U.S. Rifle, M1, Serial Number 29528 (59)  
K30 .30 caliber U.S. Rifle, M1, Serial Number 40076 (59)  
K31 .30 caliber U.S. Rifle, M1, Serial Number 3394171 (59)  
K32 .30 caliber U.S. Rifle, M1, Serial Number 2239522 (59)  
K33 .30 caliber U.S. Rifle, M1, Serial Number 2646119 (59)  
K34 .30 caliber U.S. Rifle, M1, Serial Number 5085275 (59)  
K35 .30 caliber U.S. Rifle, M1, Serial Number 3823342 (59)  
K36 .30 caliber U.S. Rifle, M1, Serial Number 3013387 (59)  
K37 .30 caliber U.S. Rifle, M1, Serial Number 2432020 (59)  
K38 .30 caliber U.S. Rifle, M1, Serial Number 124049 (59)  
K39 .30 caliber U.S. Rifle, M1, Serial Number 5694017 (59)  
K40 .45 Auto U.S. Pistol, M1911A1, Serial Number 2112671 (59)  
K41 .45 Auto U.S. Pistol, M1911A1, Serial Number 936488 (59)

Also Submitted:

Room key, found on hill in front of Taylor Hall (1)  
Color photograph of deceased victims, received from Portage  
County Sheriff's Office (5)

Toy cap pistol from parking lot by Prentice Hall (12) b6 - 7  
Eleven leaflets from parking lot by Prentice Hall (13) b7C - 7  
Sign reading "Bring all the Troops Home Now" (20)  
Sign reading "Murder will the Court Martial Hang You" (21)  
Sign reading "Rally Noon Commons Strike" (22)  
Press Card of [redacted] with Weatherman literature taken from  
him (23)

NEW MOBE literature and negatives of demonstration found in  
dormitory area of action (24)  
Bolo consisting of 7-UP and Apple Wine bottle tied with cotton  
rope (25)  
Quilt with first aid sign painted on underneath side (27)

Mask from telephone pole (28)

Sign reading "Murdering Pigs Burn in Hell" (35)

Sign reading "Fuck Murders" from Olson Hall, Room 421 (36)

Page6  
PC-C6379 JH

Q7 (mild)

two thin



umps of shot

portion of a

12ga white

cardboard wad (under shot)  
portion of  
n to K16 under shot.

Q9 (mild)



.30-06 military steel  
jacketed bullet

2 lip - .257  
grip - .175 4R

Not enough info  
for ident. Surface  
mutilated

K17

Q9 v K2 + K14 bullets

Reply v K18 - K39

Q10 (mild)



bascinier

.45 auto cu jacketed

lip - .067 6L  
grip - .16 6L

Surface mutilated  
not cuff wks.

Q11 (mild)  
(container)

Consists of 3  
pieces of metal  
+ 3 pieces bullet (steel)  
jacket. One piece  
is base portion of military  
jacket. Canneled same  
as K2 + K14 bullets.  
K17

Q12 (mild)  
(container)

small pieces  
steel bullet jacket,  
no canal for  
ident.

Q13 (mild)  
(container)

small pieces  
steel bullet jacket  
not enough info  
for ident.

No wks for ident purposes.

K7 (mild)  
(top strap)

FSLC - Flak powder & residue  
all 5 chambers have been fired.

tests fired.

TERRENCE BROOKS NORMAN, [REDACTED]

Akron, Ohio, advised he was on the campus of Kent State University (KSU), Kent, Ohio, at approximately 12:00 noon on May 4, 1970. He had received press credentials from the KSU Campus Police Department so he could take photographs of the demonstration that was taking place at that time on the campus. Mr. NORMAN stated he had proceeded out to the Commons where the Ohio National Guard (ONG) was confronting a group of students who had congregated in front of Taylor Hall. He said he was initially following behind the ONG troops as he wanted to be near them for protection. He said the students were getting very violent, were throwing rocks and other debris, and he did not want to get segregated to the point he would have no protection. He said he followed the ONG to the middle of the practice field located behind Taylor Hall where the ONG commenced firing tear gas at the students.

He said the guard moved away from where he was standing, and he went over and joined some other photographers for safety, because rocks and bottles were continually being thrown by the crowd. Mr. NORMAN then went down the road by Memorial Gymnasium, and he heard somebody yell, "Kill the pigs, kill the pigs."

He said he then decided to walk back toward the ONG, who were located near Taylor Hall by this time. He said all of a sudden, guns started firing and he fell to the ground until the shooting was over. He stated that after the shooting was over, he again headed toward the ONG so that he could continue taking pictures for the KSU Police. He said at this time, he noticed a "hippie-style" person lying on the ground and bleeding from the face. Mr. NORMAN stopped and asked this person if he was alright. This person replied that he was not sure, so Mr. NORMAN asked him again if he was alright, and this person replied that he felt that he was alright. As he turned to leave this person on the ground, somebody again started yelling "pig, pig, pig". One white male, who was approximately 20 years of age, grabbed Mr.

1630

Kuzma-132

NORMAN's camera and started pulling on it. This person had one hand on Mr. NORMAN's face and with his other hand was pulling at the camera. A second person then grabbed Mr. NORMAN from behind and pulled him to the ground. Mr. NORMAN then felt a rock or some other piece of debris hit him in the leg and shoulder.

He said by this time, he was completely surrounded by demonstrators, and they were all yelling "kill, kill, kill", and "kill the pig, kill the pig, stick the pig, stick the pig". He said he then felt himself being hit with fists. While he was on the ground, he heard one of the male students say, "let's kill this mother-fucker," and he then felt more people grab him.

Mr. NORMAN stated he had a Smith and Wesson .38 caliber, two inch barrel, revolver in his pocket, and he drew this weapon on his attackers and told them if they did not get away from him, they were "going to get it". He said most of them took off, but a few remained and started throwing rocks again. Mr. NORMAN then ran as fast as he could toward the Ohio National Guard lines near West Hall.

He said at this point he was stopped by Patrolman [REDACTED] of the Kent State University Campus Police and he surrendered himself and his weapon to him.

b6 - 4  
b7C - 4

Mr. NORMAN reiterated that he was present on the campus specifically for the purpose of taking photographs for the Kent State University Campus Police. He added that he had also seen SA [REDACTED] of the Federal Bureau of Investigation, and he told Mr. [REDACTED] that he was taking photographs, and if Mr. [REDACTED] was interested in obtaining copies, it would be possible that he could obtain some from the Kent State University Campus Police.

b6 - 1  
b7C - 1

1631

Kuzma-133

CV 44-703

RLB/jam

1

b6 - 8  
b7C - 8

[redacted] On May 4, 1970, TERRENCE BROOKS NORMAN, [redacted], Akron, Ohio, was on the campus of Kent State University (KSU) with KSU press credentials to take photographs of the demonstration that was taking place at that time. He stated he was surrounded by demonstrators and was physically assaulted near Taylor Hall. He stated that he had a Smith and Wesson .38 caliber, two-inch revolver in his pocket and drew this against his attackers. He said most of them took off and he then ran as fast as he could toward the ONG lines near West Hall.

[redacted] He said at this point he was stopped by Patrolman [redacted] of the KSU Campus Police and he surrendered himself and his weapon to the officer.

b6 - 4  
b7C - 4

1632

Kuzma-134

## FEDERAL BUREAU OF INVESTIGATION

(1)

Date 5/16/70

TERRENCE BROOKS NORMAN, [REDACTED]  
 Akron, Ohio, was re-interviewed on May 15, 1970, in order  
 to clarify information regarding his actions on May 4,  
 1970, when he was observed on the Kent State University  
 (KSU) campus drawing his revolver. He desired to furnish  
 the following supplemental information:

b6 - 8  
b7C - 8

He was dressed in a tan wool sport coat, olive  
 colored trousers, white shirt and no tie. He had a camera  
 with strap hanging around his neck, in addition to a gas  
 mask with container that he carried by means of a cross-  
 chest shoulder strap. He stated his gas mask differed from  
 the type used by the Ohio National Guard (ONG) in that his  
 mask container is gray and the mask itself is medium green  
 in color with a full-face view. He explained the masks  
 used by the Ohio National Guard are black and have two  
 face holes for viewing.

Concerning the gun he was carrying, he reiterated  
 it was a .38 caliber revolver, silver, with a two inch  
 barrel. He was carrying it in a high-rise hip holster, with  
 the holster strapped to his belt on his left hip. The holster  
 sits high to position the gun just below the left armpit.

NORMAN reiterated he drew his gun for self-defense.  
 He did not fire at any time. He pointed out these facts  
 have been corroborated by the Kent State University Police  
 Department, who took the gun from him.

On 5/15/70 at Akron, Ohio File # Cleveland 44-703by SA [REDACTED] b6 - 1  
/clo b7C - 1 Date dictated 5/16/70

This document contains neither recommendations nor conclusions of the FBI. It is the property of the FBI and is loaned to your agency; it and its contents are not to be distributed outside your agency.

1633

Kuzma-135

CV 44-703

RLB/jam

1

b6 - 4  
b7C - 4

On May 8, 1970, [redacted] Patrolman, Kent State University Police Department, advised that on May 4, 1970, after the troops began to advance on the crowd and push them up the hill by Taylor Hall, they went over the hill and a few minutes later, he heard a volley of gunfire. [redacted] advised that several minutes later, he saw a Negro chasing a boy near Johnson Hall and [redacted] heard his name being called.

[redacted] knew the Negro and he yelled at [redacted] to stop the boy as he had a gun. [redacted] yelled to the Guardsmen to stop them. He went over to the boy whom [redacted] had seen around the campus but did not know by name. He started to pull a gun from his belt under his sports coat and [redacted] grabbed it. b6 - 4 [redacted] opened the cylinder, saw the primers on the shells had b7C - 4 not been damaged, smelled the weapon to try to see if it had been fired; but [redacted] could not determine this to be the case and handed the gun over to Detective [redacted] and took the Negro and the man with him to the station office.

1634

Kuzma-136

CV 44-703

RLE/jam

1

On May 6, 1970, [REDACTED] ROTC Staff, Kent State University, Kent, Ohio, advised that on May 4, 1970, after the National Guard disappeared over the hill near Taylor Hall, he could hear shots being fired.

b6 - 4  
b7C - 4

Shortly thereafter he saw a white male running toward the Commons chasing another individual, and this individual had a camera and was supposed to be carrying a gun. [REDACTED] stated this man turned the gun over to Campus Policeman, [REDACTED] who escorted him away.

b6 - 4  
b7C - 4

[REDACTED] indicated that a [REDACTED] [REDACTED] commented to someone that he saw someone (possibly a student) who shot another student in the neck. [REDACTED] could provide no further information concerning the alleged shooting.

b6 - 4, 8  
b7C - 4, 8

1635

Kuzma-137

CV 44-703

RLB/jam

1

b6 - 4  
b7C - 4

On May 11, 1970, [redacted] Patrolman, Kent State University Police Department, advised that while he was at the National Guard lines on May 4, 1970, the Guard fired tear gas and started forward toward the students. They went up the hill and around Taylor Hall on both sides and went over the crest of the hill, out of sight.

b6 - 4  
b7C - 4

About 10 minutes later, [redacted] heard one shot followed closely by a volley of many shots. Three or four minutes later, the Guard had returned to the Commons.

[redacted] advised about five or ten minutes after the shooting, several men came running down the hill and one with a gun was stopped by Patrolman [redacted]

Officers [redacted] took the man to headquarters.

b6 - 4  
b7C - 4

1636

Kuzma-138

CV 44-763

KMB/jmm

1

On May 6, 1970, [redacted]

b6 -4  
b7C -4

[redacted] Kent State University Police Department, Kent, Ohio, advised that while in the area of the Commons on May 4, 1970, the Guard marched forward forcing the crowd through the gap between Johnson and Taylor Halls and over the hill. About five or ten minutes later he heard a volley of firing and a few minutes after that, the Guard returned to the Commons.

[redacted] advised he saw several men run down the hill from Johnson Hall and saw Patrolman [redacted] go over to them about ten minutes after the shooting. [redacted] took a gun from [redacted] the man in the brown coat, identified as TERRY NORMAN, and [redacted] opened the cylinder, smelled the barrel and handed the gun over to him, [redacted]

[redacted] advised he also checked the gun determining the chamber to be loaded with five rounds, none of which had been fired.

b6 -4  
b7C -4

1637

Kuzma-139



FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D. C. 20535

1 - Mr.  
1 - Mr.  
1 - Mr.  
1 - Mr. MacLarlane  
Rm 2256

NACP

b6 - 1  
b7C - 1

To: SAC, Cleveland (44-703)

Date: November 2, 1973

From: Director, FBI

Re: KILLING OF FOUR STUDENTS  
KENT STATE UNIVERSITY,  
KENT, OHIO, 5/4/70;  
ALLISON KRAUSE, ET AL. -  
VICTIMS;  
CIVIL RIGHTS

FBI File No. 44-45339-644

Lab. No. D-731015177 ET  
PC-K 2488 JH  
E-1805 KB

Examination requested by:

Cleveland

Reference:

Bureau airtel 10/12/73

Examination requested:

Photographic-Radio Engineering-Firearms

Remarks:

Cleveland may desired to make available to the Departmental attorney in this matter the result of the Laboratory report referred to in the attached item 4d which is a Laboratory report dated 5/25/70 setting forth the result of an examination of a tape recording.

The result of the examination of photographs referred to under request 4b originally set forth in Laboratory report were submitted under dated 5/28/70. A part of the result set forth in the attached report was previously set forth on the administrative pages only.

was

Enclosures (2) (2 Lab report)

FEW:cs (70)

Room  
2157  
4067

b6 - 1  
b7C - 1  
Section 8  
FAF 283

Supplementary Lab report  
1-2-74  
FEW/HMW

ADMINISTRATIVE PAGE

Kuzma-140

**REPORT  
of the**



**FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D. C. 20535**

To: SAC, Cleveland (44-703)

Re: KILLING OF FOUR STUDENTS  
KENT STATE UNIVERSITY  
KENT, OHIO, 5/4/70;  
ALLISON KRAUSE, ETAL. - VICTIMS;  
CIVIL RIGHTS

Date: November 2, 1973  
FBI File No. 44-45339-644  
Lab. No. D-731015177 ET  
PC-K 2488 JH  
E-1805 KB

Specimens received 10/15/73

Q242 and Q243 Two packages of 16mm film

Q244 Package containing one roll of 8mm film

Q245 Envelope containing .45 caliber casing

**Result of examination:**

The following results of Laboratory examinations are set forth by item numbers as requested in memorandum to the Bureau from the Justice Department, Civil Rights Division, 10/10/73:

1a. The K7a revolver was examined to determine whether or not it had been fired and it was found that this weapon had been fired since it was last cleaned. However, it was not possible to determine the length of time since this firing. No evidence was submitted in this case for comparison with this weapon.

4a. No .22 caliber bullets, cartridge cases or cartridges were submitted to the FBI Laboratory for examination.

4b. The photographs referred to as S-16A and R-15 were previously examined in the Laboratory. Photograph S-16A was listed as Q178 and consisted of two photographs taken by [REDACTED]. Photograph R-15 was listed as Q179 described as a photograph taken by [REDACTED]. In the examination of the Q178 photographs it was determined that the slide of the .45 caliber weapon appears in a rearward position and in the examination of the Q179 photograph the slide of the weapon was determined to be in a forward position. Although it could not be definitely established, due to the lack of recorded detail in the photographs, the characteristics recorded in the Q179 photographs strongly suggest that the hammer of the weapon is in a cocked position.

b6 - 8  
b7C - 8

It was further stated following the previous examination C  
of the Q178 photographs that the slide could be in a rearward position due to being retained by the slide stop, being held back by a cartridge case due to a malfunction such as jamming or as a result of firing the weapon. It was further pointed out that there is no indication of muzzle recoil or gaseous discharge recorded in the Q178 photographs. For these photographs to have been taken during the firing of the weapon the exposure would have had to be made at the precise instant that the slide was in the rearward position. Due to the fact that the slide is shown in the rearward position in the two separate Q178 photographs the possibility of the camera recording that precise moment in two successive pictures would be so remote as to eliminate the firing of the pistol as a logical reason for the slide being in a rearward position in these two photographs.

4c. Specimen Q136 is a military Auto caliber cartridge case which was manufactured by Remington Arms Company, Inc. in 1963. No other cartridge cases or cartridges of this manufacture and year were submitted in this case. TU

4d. With respect to the request for sound analyses of all tape recordings it is pointed out that there are not tape recordings related to this case in the possession of the Laboratory. In b6 - 8 Laboratory report dated May 25, 1970, there was set forth the b7C - 8 results of the examination of a recording, referred to as a recording made by [redacted] on May 4, 1970, which was identified as Q153. It is not known whether this was the specific recording referred to in request 4d. at #

4e. Sixty-seven 8" x 10" color prints were made from the submitted 8mm (Q244) color film. These were made at approximately one-half second intervals. Actually, prints were made of every eighth frame during the action described in request 4e. The exact time of these intervals would depend upon the speed at which the camera was operated, which is not known.

4f. Q45, which is the same in all observable characteristics as the base portion of the core of a military-type bullet, would have been a portion of a high velocity bullet. It is pointed out, however, that if a jacketed military bullet strikes an object such as the ground and disintegrates upon impact, the portions of the bullet will lose velocity.

4h. Q44 is a military .45 Auto caliber cartridge case which was manufactured by Winchester-Western Cartridge Division of Olin Mathieson Chemical Corp. in 1967. The Q147, Q149 and Q173 cartridge cases are like Q44. The cartridge case comprising the K13 cartridge was manufactured by the same manufacturer but in the year 1964 and it is, therefore, different from the aforementioned "Q" cartridge cases.

4i. The K2 and K17 cartridges are like the K14 cartridges which are .30-06 Springfield caliber military cartridges manufactured by Winchester Repeating Arms Co. (Winchester-Western Cartridge Division of Olin Mathieson Chemical Corp.) in 1953. The K12 cartridges are 7.62 Nato (.308 Winchester) military cartridges of the same manufacturer which were manufactured in 1968. Therefore, they are different from the K2, K14 and K17 cartridges.

4j. Q52 was examined in the FBI Laboratory and it was found that Q52 is a .45 Auto caliber copper-jacketed bullet which was fired from a barrel having six lands and grooves, left twist. Although the rifling impressions in this bullet are the same as those produced by the submitted U.S. Pistols, there are not sufficient microscopic marks remaining on Q52 for identification purposes. It was not possible to determine the manufacturer of this bullet from its physical characteristics.

4k. Specimen Q245 is a .45 Auto caliber military cartridge case which is like the Q120, Q170, Q179 and Q240 cartridge cases as well as the cartridge case portion of the K13 cartridge. There are not sufficient microscopic marks of value on specimen Q245 for identification purposes. Therefore, it is not possible to determine if this cartridge case had been fired in one of the submitted U.S. Pistols.

5d. The roll of 16mm black and white film has been spliced and repaired.

Specimens Q242 through Q245 and the sixty-seven prints made from specimen Q244 will be returned to you separately. No photographs have been retained.